

LAN4350

Quad port 1G BASE-T Network
PCIE Card



Introduction

SUNIX LAN4350 is PCI Express Quad-Port RJ45 Ethernet Adapter is powered by the Intel I350 controller, delivering stable and efficient 1GbE connectivity across four independent network interfaces. Designed for compatibility with PCIe Gen2 platforms, it provides reliable data throughput suitable for enterprise servers, networking equipment, industrial systems, virtualization, and multi-segment network deployments.

SUNIX LAN4350 integrates advanced networking features such as multi-queue support, hardware offloads, traffic steering, virtualization enhancements, and improved high-PPS packet handling, helping reduce CPU utilization and optimize overall network performance. With intelligent power-saving capabilities and broad operating system compatibility, this adapter is an ideal solution for data centers, embedded platforms, and robust network infrastructures.

Feature

- Quad-Port 1GbE Controller, Provides four independent Gigabit Ethernet ports, ideal for server, industrial, and embedded networking applications.
- PCI Express Gen 2 (x1) Interface
- Supports Single Root I/O Virtualization (SR-IOV) and Virtual Machine Device Queues (VMDq) to improve packet handling efficiency and traffic isolation in virtualized environments.
- Energy Efficient Ethernet (IEEE 802.3az), Reduces power consumption during low network activity or idle states, enhancing energy efficiency for always-on systems.
- Advanced Offload Capabilities, Includes hardware offloads such as TCP/UDP/IP checksum offload, Large Send Offload (LSO), and Receive Side Scaling (RSS) to reduce CPU utilization.
- Precision Time Protocol (IEEE 1588) Supports PTP for hardware-based precise time synchronization, suitable for telecom, industrial control, and financial systems.
- Supports Wake-on-LAN, and energy detection features for efficient power control and remote wake functionality. 2K surge and 2.5K isolation.

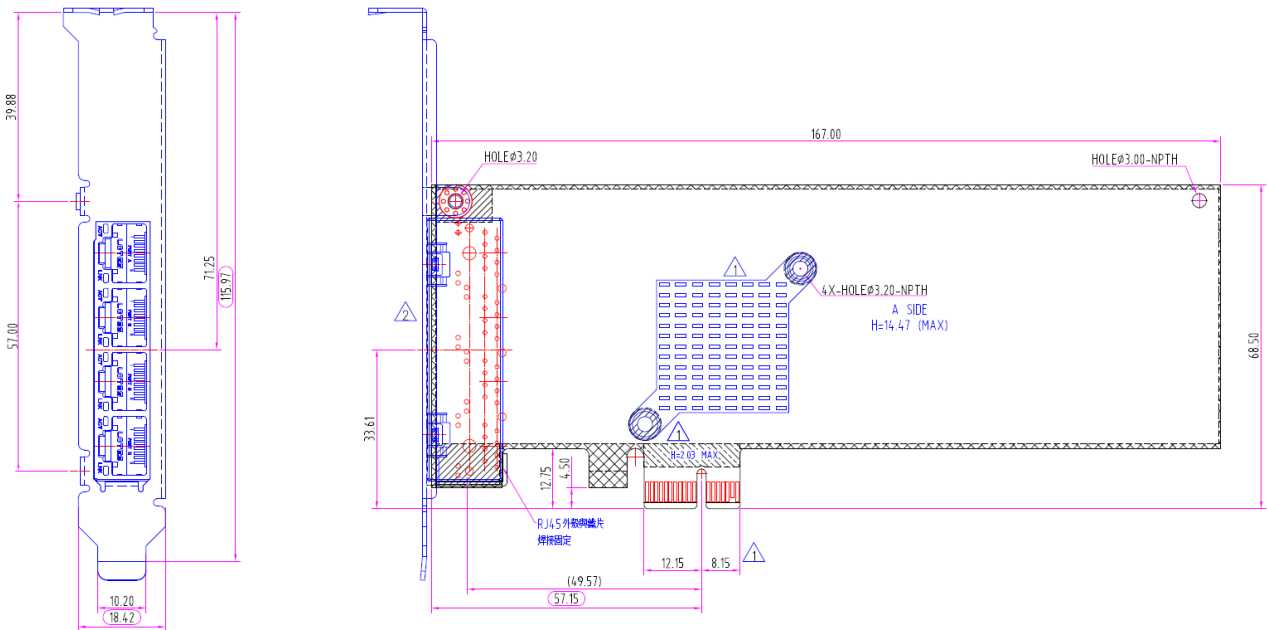
Specifications

Model	LAN4350		
Description	4 ports 1G Network PCIE Card		
Chipset	Intel I350		
Interface	PCI Express Gen2 x1		
Port	RJ45 (1 GbE) x 4		
Standard	IEEE 802.3 Ethernet interface for: 1000BASE-T, 100BASE-TX, and 10BASE-T applications (802.3, 802.3u, and 802.3ab)		
Network Media	10BASE-T: UTP category 3, 4, 5 cable (maximum 100m) 100BASE-TX: UTP category 5, 5e cable (maximum 100m) 1000Base-T: UTP category 5, 5e cable (maximum 100m)		
Data Rates	10/100/1000Mbps		
LED Indicator	LED	Green LED	Yellow LED
	10/100M/s	Blinking	N
	1000M/s	ON	N
O.S Support	Windows 10、11(X86/X64) Linux 5.8 and above		
Environment	Operation temp. 0 °C ~ 60 °C (32-104°F) Operation humidity: < 85% non-condensing Storage temp. -10 °C ~ 85 °C (14~176°F)		
Regulatory Approvals	CE, FCC, VCCI, BSMI RoHS		

Dimension

PCB Dimension	167X 68.5X 1.6 mm
Bracket	Full high 120 mm
Bracket Space	1

Mechanical Drawing



Packing List

- LAN4350 - Quad port 1G BASE-T Network PCIE Card